

Manufacturers' Shipments, Inventories, and Orders

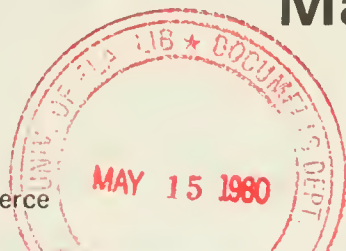
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BUREAU OF THE CENSUS



(All figures in text below are in seasonally adjusted current dollars.)

New orders for manufactured goods in February declined \$0.9 billion or 0.6 percent to \$155.2 billion the Department of Commerce, Bureau of the Census reported today. This decline followed an increase of 4.3 percent in January, when the volume was \$156.1 billion.

New orders reported by the durable goods industries were unchanged from the January level of \$82.0 billion. This revised downward the earlier reported 0.7 percent increase for February. Most of the major durable goods industry groups reported declines: nonelectrical machinery was down \$0.7 billion or 4.5 percent; primary metals, down \$0.4 billion or 3.0 percent; stone, clay, and glass products, down \$0.2 billion or 4.9 percent; and transportation equipment, down \$0.2 billion or 1.3 percent.

Within the primary metals category, the nonferrous industries reported a drop in orders of \$0.6 billion or 9.0 percent to \$6.0 billion, following a 26 percent increase in January. The nonferrous orders have been fluctuating the last few months due to the instability of prices in copper and precious metals. The nonferrous decline was partially offset by a \$0.3 billion or 4.9 percent increase in steel orders. This is the second consecutive month steel orders have been strong, following substantial order declines during most of 1979.

The decreases in new orders for nonelectrical machinery industries, down \$0.7 billion or 4.5 percent to \$14.3 billion, were widespread with 9 of the 11 industry categories declining. New orders for transportation equipment declined \$0.2 billion or 1.3 percent to \$16.6 billion. Declines of \$0.9 billion in aircraft orders and \$0.4 billion in railroad equipment orders were partially offset by a \$1.0 billion increase in the motor vehicle industry, where the automotive assembly portion of that industry's new orders are considered equal to shipments made during the month. The only significant increases in durable goods new orders came from fabricated metal producers, up \$1.1 billion or 11.7 percent to \$10.3 billion and electrical machinery manufacturers, up \$0.3 billion or 2.9 percent to \$11.2 billion.

New orders for nondefense capital goods showed a sharp decline in February, down \$2.0 billion or 8.2 percent. The decline resulted primarily from decreases in the commercial aircraft and nonelectrical machinery industries. In contrast, defense capital goods orders were up 7.7 percent or \$0.3 billion,

with the communication equipment and shipbuilding industries reporting the largest increases.

Shipments of all manufactured products increased \$0.7 billion or 0.5 percent to \$152.6 billion in February. Durable goods shipments were up more significantly, increasing \$1.6 billion or 2.0 percent to \$79.4 billion. Automotive shipments, up \$0.5 billion or 5.6 percent, and machinery shipments, up \$0.6 billion or 2.4 percent, accounted for most of the increase. Although the automotive industry has reported large increases the last 2 months, the \$9.9 billion February volume of shipments is well below the high for the industry of \$12.6 billion in January 1979.

Shipments from the nondurable goods industries dropped in February \$0.9 billion or 1.2 percent to \$73.2 billion. This is the largest decline reported since April 1979 when the shipments dropped 3.8 percent, due to the truckers' strike, and the 1.8 percent decline of January 1978 when weather was a factor. The largest declines in shipments of nondurable goods occurred in the paper, printing, chemicals, and rubber and plastics industries.

The value of manufacturers' unfilled orders for February increased \$2.6 billion or 0.9 percent to \$285.7 billion. Most industries which carry backlog information reported increases. Exceptions were railroad equipment which dropped 7.1 percent, shipbuilding down 0.9 percent, and nonelectrical machinery whose backlog remained unchanged from the January level of \$59.8 billion. The backlog of aircraft industry orders continued to climb, up \$1.0 billion or 1.2 percent to \$80.7 billion.

The book value of manufacturers' inventories increased \$2.5 billion or 1.1 percent to \$234.5 billion. The value of durable goods inventories increased \$1.4 billion or 0.9 percent to \$155.2 billion, with the machinery, steel, and aircraft industries contributing to most of the increase. The value of inventories of nondurable goods increased \$1.1 billion or 1.5 percent to \$79.3 billion. This follows a January increase of 2.3 percent for nondurable goods.

The figures on the durable goods industries in this report supersede those issued earlier in the advance report on durable goods. The present report is based on more complete reporting, but the estimates are also considered preliminary. Final figures will appear as historical data in the report to be published for next month. The advance report on durable goods for March is scheduled for release on April 22, 1980 and the full report is scheduled for release on April 30, 1980.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell, (301) 763-2502.

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Table 1.--VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC	Industry	Seasonally adjusted				Without seasonal adjustment ¹												
		Monthly			Quarterly	Monthly						Annual						
		Last 4 months				Last 4 months (a year ago)												
		Feb. 1980 ^a	Jan. 1980 ^a	Dec. 1979		Nov. 1979	Feb. 1980 ^a	Jan. 1980 ^a	Dec. 1979	Nov. 1979	Feb. 1979	Jan. 1979	Dec. 1978	Nov. 1978	1979	1978		
ALL MANUFACTURING, DURABLE AND NONDURABLE GOODS, TOTAL																		
	All manufacturing industries:	152,633	151,920	146,384	427,463	415,374	153,495	139,758	143,286	136,570	124,147	126,980	131,499	1,692,001	1,496,567			
	Total.....	136,726	136,483	131,638	380,210	366,641	137,229	125,905	127,976	118,841	107,625	111,303	113,931	1,497,540	1,307,684			
	Total, excluding trans- portation.....	81,057	80,069	75,950	225,224	220,310	80,998	73,200	74,937	72,287	65,232	68,393	69,655	893,021	789,409			
	Total for industries with un- filled orders.....	79,405	77,817	74,118	223,345	222,013	79,257	70,316	72,706	73,464	65,767	68,389	70,662	887,777	798,050			
	Durable goods industries, total.	65,721	64,442	61,534	184,246	181,710	65,662	59,377	60,066	58,800	52,735	55,785	56,351	722,730	637,220			
	Durable goods with unfilled orders.....	73,228	74,103	72,266	212,731	196,051	74,238	69,442	69,311	63,106	58,380	58,591	60,837	804,224	698,511			
	Nondurable goods industries, total.....	15,336	15,627	14,416	43,757	42,326	15,336	14,557	14,013	13,487	12,497	12,608	13,304	170,291	152,189			
	Nondurable goods with unfilled orders.....																	
MARKET CATEGORIES AND SUPPLEMENTAL SERIES																		
	Market categories:	11,688	11,296	11,123	32,833	30,844	11,620	9,918	11,237	9,750	8,589	8,568	10,415	125,723	114,537			
	Home goods and apparel.....	25,763	25,816	26,669	78,238	73,006	25,810	24,179	26,071	23,819	22,084	23,027	23,516	298,916	268,232			
	Consumer staples.....	21,879	21,317	21,089	61,456	57,428	22,064	19,067	21,743	18,997	16,801	18,889	17,655	236,754	203,020			
	Durable goods, except automo- tives.....	11,928	11,436	10,934	34,288	38,260	12,129	10,483	9,537	11,482	14,456	12,022	14,240	151,020	153,752			
	Automotive equipment.....																	
	Construction materials, sup- plies, and intermediate products.....	13,084	13,386	12,643	38,554	36,661	12,227	11,092	11,423	12,543	9,482	10,790	11,505	148,806	130,075			
	Other materials and supplies and intermediate products....	68,291	68,669	63,926	190,707	179,175	69,645	65,019	61,118	62,216	58,690	53,797	54,169	730,782	626,931			
	Supplementary series: ²																	
	Household durable goods indus- tries.....	5,235	4,929	4,736	14,514	13,801	5,145	4,393	4,957	4,432	3,801	4,124	4,586	55,938	51,443			
	Capital goods industries.....	24,529	24,221	23,402	69,236	65,167	24,960	21,774	24,205	22,434	19,370	21,656	20,434	267,807	233,399			
	Nondefense.....	21,343	21,029	20,223	59,916	56,385	21,760	18,965	20,804	19,344	16,793	18,634	17,733	232,315	200,889			
	Defense.....	3,186	3,192	3,179	9,320	8,782	3,200	2,809	3,401	3,090	2,769	3,023	2,702	35,492	32,505			
INDUSTRY GROUPS AND INDUSTRIES																		
	Durable goods industries:	4,235	4,454	4,133	12,569	12,193	3,998	3,756	4,132	3,386	3,147	3,389	3,855	48,185	43,888			
	Stone, clay, and glass products.....	381	368	344	1,091	982	362	326	310	302	287	291	302	3,989	3,690			
	Glass containers.....	12,918	12,998	11,787	35,700	35,228	12,904	12,208	10,699	11,203	10,350	10,397	10,467	140,122	120,390			
	Primary metals, total.....	5,903	5,684	5,480	17,121	17,512	5,920	5,605	4,927	5,321	5,747	5,277	5,068	68,663	60,533			
	Blast furnaces, steel mills, nonferrous and other primary metals.....	5,862	6,098	5,135	15,210	14,433	5,821	5,495	4,750	4,809	4,763	4,103	4,290	58,001	47,455			
	Fabricated metal prod., total.	9,834	9,515	9,211	27,742	27,158	9,659	8,568	8,607	9,031	8,721	8,399	8,489	109,463	96,211			
	Metal cans, barrels, and drums.....	820	876	809	2,498	2,444	771	718	657	714	808	688	724	10,046	9,562			
	Machinery, except electrical, total.....	14,266	14,005	13,662	40,645	38,679	14,604	12,865	13,742	12,527	11,120	12,495	11,686	157,695	137,114			
	Engines and turbines.....	1,120	1,191	935	3,371	3,122	1,177	1,122	969	1,006	1,013	1,019	1,009	13,156	12,044			
	Farm machinery and equipment	1,161	1,091	1,184	3,336	3,835	1,240	1,039	984	828	870	802	798	13,258	11,197			
	Construction, mining, and material handling equipment	2,862	2,784	2,705	7,937	8,292	2,962	2,617	2,279	2,668	2,326	2,446	2,426	31,813	28,274			
	Metalworking machinery.....	909	851	780	2,537	2,474	934	767	846	772	625	762	694	9,497	8,108			
	General industrial machinery	1,208	1,225	1,118	3,488	3,287	1,227	1,091	1,144	1,098	954	977	959	13,245	11,205			

See footnotes at end of table.

Table 1.--VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

(Millions of dollars)

SIC	Industry	Seasonally adjusted					Without seasonal adjustment ¹												Annual
		Monthly			Quarterly	Monthly													
		Last 4 months		Last 4 months (a year ago)				Annual											
		Feb. 1980 ^b	Jan. 1980 ^c	Dec. 1979		Nov. 1979	Dec. 1979	Nov. 1979	Jan. 1979	Dec. 1978	Nov. 1978	1979	1978						
INDUSTRY GROUPS, AND INDUSTRIES--Continued																			
36	Electrical machinery, total...	10,418	10,093	9,746	9,495	27,685	28,616	27,685	27,300	10,576	9,204	9,720	9,614	9,101	8,128	8,695	8,699	110,713	98,661
361.2	Electrical transmission and distribution equipment and apparatus...	1,778	1,716	1,592	1,712	4,947	4,987	4,947	5,006	1,901	1,609	1,534	1,696	1,727	1,559	1,478	1,506	19,915	17,632
363	Household appliances...	1,162	1,295	1,159	1,108	3,394	3,394	3,394	3,162	1,143	1,077	1,064	1,043	1,003	859	924	937	12,814	12,052
365	Radio and TV...	693	632	585	580	1,765	1,765	1,765	2,072	697	520	606	698	701	583	674	803	7,648	7,353
366	Communication equipment...	3,119	2,805	3,087	2,825	8,704	8,704	8,704	7,646	3,131	2,598	3,183	2,797	2,536	2,281	2,593	2,423	32,143	27,436
367	Electronic components...	1,807	1,680	1,577	1,521	4,605	4,605	4,623	4,426	1,834	1,608	1,563	1,557	1,457	1,243	1,308	1,329	17,820	14,949
37	Transportation equipment, total...	15,907	15,437	14,746	14,942	45,183	45,183	47,253	48,733	16,266	13,853	13,960	15,310	17,729	16,522	15,677	17,508	194,461	188,883
371	Motor vehicles and parts...	9,902	9,381	9,013	9,434	30,209	28,698	30,209	31,216	10,242	8,832	8,003	9,838	12,658	11,748	10,566	12,532	129,364	132,207
372.6	Aircraft, missiles, and parts...	3,828	3,926	3,790	3,648	10,911	10,911	11,730	10,539	3,985	3,219	4,049	3,684	3,285	3,210	3,558	3,404	43,804	37,54
3731	Shipbuilding and military tank vehicles...	878	878	845	754	2,177	2,361	2,177	2,072	787	769	946	763	649	602	751	696	8,693	7,87
3795	Instruments and related products, total...	3,642	3,349	3,247	3,205	9,154	9,541	9,154	8,864	3,509	3,030	3,248	3,304	2,769	2,509	2,741	2,841	36,253	31,560
381-4	Scientific and engineering...	2,036	1,931	1,953	1,839	5,301	5,560	5,301	5,164	2,016	1,832	1,928	1,837	1,655	1,526	1,573	1,583	21,082	18,140
386	Photographic goods...	1,418	1,239	1,104	1,153	3,375	3,375	3,222	3,089	1,312	1,034	1,151	1,247	924	824	1,018	1,070	12,757	11,245
24	All other durable goods industries...	8,185	7,966	7,586	7,701	23,349	23,349	22,878	22,357	7,841	6,832	6,795	7,585	7,027	6,058	6,595	7,057	90,885	81,334
25	Nondurable goods industries:																		
20	Food and kindred products, total...	20,087	19,984	20,729	20,273	59,231	61,115	59,231	57,486	20,270	18,903	20,352	20,518	19,037	17,507	18,473	18,547	234,828	211,916
201	Meat products...	4,991	4,837	5,286	5,215	14,895	15,610	14,895	13,524	4,826	4,770	5,292	5,163	5,277	4,990	5,211	5,092	62,002	57,087
208	Beverages...	2,564	2,544	2,426	2,402	7,136	6,966	7,136	6,788	2,273	2,114	2,215	2,438	2,005	1,794	2,047	2,079	27,659	24,710
207	Fats and oils...	1,670	1,625	1,611	1,623	4,904	5,068	4,904	4,611	1,768	1,599	1,558	1,666	1,635	1,542	1,529	1,583	19,322	16,763
203-6,9	All other foods...	10,843	8,198	8,631	8,270	23,989	25,220	23,989	22,607	11,403	7,698	8,554	8,452	7,583	6,778	7,283	7,396	84,929	84,929
21	Tobacco products...	1,126	1,063	1,027	1,055	3,137	3,137	3,212	2,834	1,061	1,002	1,052	1,078	882	991	941	1,014	12,173	10,941
22	Textile mill products...	4,292	4,203	3,925	3,961	11,936	11,925	11,936	11,757	4,265	3,814	3,786	4,059	3,637	3,519	3,491	3,783	46,992	43,951
26	Paper and allied products, total...	5,796	6,014	5,492	5,585	16,718	17,016	16,718	16,504	5,898	5,705	5,156	5,540	5,379	4,737	4,573	5,061	66,033	57,654
261-3	Pulp, paper, etc...	2,793	2,697	2,623	2,607	7,828	7,828	7,692	7,516	2,790	2,583	2,488	2,587	2,345	2,123	2,085	2,201	30,165	25,363
265	Paperboard containers...	1,345	1,385	1,214	1,240	3,711	3,711	3,650	3,623	1,364	1,302	1,110	1,229	1,182	1,110	1,037	1,126	14,557	13,091
264	All other paper containers...	1,658	1,932	1,655	1,738	5,179	5,179	5,674	5,365	1,744	1,820	1,558	1,724	1,852	1,504	1,451	1,734	21,311	19,226
28	Chemicals and allied products, total...	13,561	14,075	13,710	13,159	39,733	39,733	37,967	36,548	13,912	12,918	12,533	12,515	11,704	10,782	10,425	10,435	149,181	126,443
281.6	Industrial chemicals, except pigments...	4,886	4,893	4,598	4,687	13,739	13,739	13,372	12,687	5,076	4,658	4,331	4,425	4,025	3,777	3,671	3,535	51,793	42,415
283.4	Drugs, soap, and toiletries...	3,477	3,557	3,761	3,475	10,625	10,625	10,270	9,737	3,570	3,322	3,502	3,406	3,185	2,961	2,875	2,932	40,147	34,101
29	Petroleum and coal products...	14,080	13,938	13,279	12,803	38,501	38,501	35,143	31,246	14,383	13,827	13,489	12,779	9,704	9,252	9,464	9,074	134,041	103,567
30	Rubber and plastics products, n.e.c...	3,747	4,054	3,589	3,618	10,981	10,981	11,242	11,148	3,806	3,677	3,279	3,532	3,829	3,337	3,021	3,461	44,742	39,930
23	All other nondurable goods industries...	10,539	10,772	10,515	10,030	29,703	30,621	29,703	28,528	10,643	9,596	9,664	10,559	8,934	8,255	8,204	9,462	116,234	104,107
31	Industries...																		

^b Preliminary.^c Revised.

¹ Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

² The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries - Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Capital goods industries--The capital goods industries series is comparable to the previous Producers' Capital goods and the Defense Products (old series) categories.

Nondefense products--Machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV and electronic components), and the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding. The data are comparable to those published annually in the WA-175, Shipments of Defense-Oriented Industries, for the specified industries.

Table 2.--VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

Millions of dollars

SIC	Industry	Seasonally adjusted					Without seasonal adjustment ¹													
		Monthly			Quarterly		Monthly						Annual							
		Feb. 1980 ^b	Jan. 1980	Dec. 1979	Nov. 1979	1V 1979	11 1979	Last 4 months			Last 4 months (a year ago)			Nov. 1978	Dec. 1978	Jan. 1979	1979			
								Feb. 1980 ^b	Jan. 1980	Dec. 1979	Nov. 1979	Feb. 1979	Jan. 1979							
		ALL MANUFACTURING, DURABLE AND NONDURABLE GOODS, TOTAL																		
	All manufacturing industries: Total,.....	155,232	156,131	149,758	146,569	442,967	430,326	425,195	156,776	145,720	142,086	144,297	145,491	132,056	130,517	136,066	1,732,015	1,541,853		
	Total, excluding trans- portation,.....	138,632	139,318	132,368	130,228	393,550	379,899	370,268	140,545	129,759	126,056	127,956	123,923	113,213	113,544	114,954	1,515,492	1,331,434		
	Total for industries with unfilled orders,.....	83,656	84,280	79,324	77,770	234,894	228,087	230,131	84,279	79,162	75,818	75,948	81,208	73,141	71,929	74,222	933,035	834,699		
	Durable goods industries, total,.....	81,982	82,033	77,751	75,417	229,831	224,134	228,946	82,367	76,009	73,106	73,197	81,842	73,762	71,899	75,125	926,580	841,733		
	Durable goods with unfilled orders,.....	68,298	68,658	65,167	62,466	190,732	183,831	187,607	68,772	64,336	62,136	60,557	67,178	60,730	59,295	60,814	761,533	680,903		
	Nondurable goods industries, total,.....	73,250	74,098	72,007	71,152	213,136	206,192	196,249	74,409	69,711	68,980	71,100	63,649	58,294	58,617	60,941	805,435	700,117		
	Industries with unfilled orders,.....	15,358	15,622	14,157	15,304	44,162	44,256	42,524	15,507	14,826	13,682	15,391	14,030	12,411	12,634	13,408	171,502	153,796		
	Industries without unfilled orders,.....	57,892	58,476	57,850	55,848	168,974	161,936	153,725	58,902	54,885	55,298	55,709	49,619	45,883	45,983	47,533	633,933	546,321		
		MARKET CATEGORIES AND SUPPLEMENTARY SERIES																		
	Market categories:	11,769	11,341	10,997	10,689	32,451	31,996	31,017	11,791	9,935	9,479	10,868	10,100	8,721	8,367	10,054	126,005	114,534		
	Home goods and apparel,.....	25,770	25,814	26,671	25,919	78,195	75,599	73,062	25,809	24,233	26,060	26,317	23,811	22,136	23,021	23,522	298,939	268,261		
	Equipment and defense prod- ucts, except automotive,.....	22,471	23,898	23,630	22,165	66,521	62,835	63,681	22,180	22,013	23,988	20,849	23,171	18,377	20,100	20,167	258,447	226,204		
	Automotive equipment,.....	12,106	11,108	10,918	10,736	33,479	34,942	38,072	12,182	10,364	9,410	11,039	14,493	13,907	12,463	14,649	149,571	155,909		
	Construction materials, sup- plies, and intermediate prod- ucts, other materials and supplies and intermediate products,....	13,396	12,988	12,915	12,602	38,290	37,648	36,821	12,572	10,836	11,660	12,307	11,050	9,743	11,240	11,319	149,383	131,381		
	Supplementary series: ²	69,720	70,982	64,627	64,458	194,031	187,306	184,542	72,242	68,339	61,489	62,917	62,866	59,172	55,323	56,358	749,670	645,551		
	Household durable goods indus- tries,.....	5,339	5,057	4,651	4,642	14,007	13,932	13,907	5,349	4,434	4,194	4,561	4,742	3,914	3,978	4,285	55,939	51,443		
	Capital goods industries,.....	25,652	27,334	26,636	25,438	76,086	72,350	72,813	25,696	25,600	26,420	24,221	26,937	22,527	23,044	24,100	299,216	261,398		
	Nondefense,.....	21,915	23,865	22,860	21,419	65,278	62,784	63,485	22,278	22,054	22,571	20,447	23,332	19,679	18,895	19,939	259,721	219,694		
	Defense,.....	3,737	3,469	3,776	4,019	10,808	9,567	9,328	3,418	3,546	3,849	3,774	3,605	2,848	4,150	4,162	39,495	41,700		
		INDUSTRY GROUPS AND INDUSTRIES																		
	Durable goods industry:	4,283	4,506	4,156	4,144	12,379	12,279	12,223	4,001	3,914	3,562	4,072	3,387	3,204	3,570	3,783	48,145	44,164		
32	Stone, clay and glass,.....	13,394	13,811	11,415	11,554	35,284	33,351	34,710	14,157	13,669	10,903	10,932	13,846	13,497	11,341	10,866	142,882	128,002		
33	Primary metals, total,.....	6,159	5,873	4,990	5,476	16,131	15,262	16,735	6,790	6,180	4,654	5,174	7,569	7,574	5,464	5,481	69,121	65,307		
333-5,9	Blast furnaces, steel mills, Nonferrous and other primary metal products,.....	6,025	6,618	5,244	4,988	15,672	14,822	14,464	6,174	6,227	5,205	4,675	5,061	4,786	4,754	4,160	59,802	49,500		
34	Fabricated metal products,....	10,302	9,221	9,641	9,035	28,179	27,007	27,391	10,049	8,330	8,964	8,758	8,968	8,504	8,868	8,529	111,622	99,015		
35	Machinery, except electrical, total,.....	14,349	15,028	14,130	13,816	42,048	40,489	39,414	14,935	13,930	13,802	13,093	13,924	12,126	12,782	12,272	163,304	142,857		
351	Engines and turbines,.....	1,069	1,366	892	1,091	3,169	3,228	3,261	1,114	1,169	1,081	888	1,258	910	1,273	903	13,174	12,013		
353	Construction, mining, and material handling equipment	3,030	3,077	2,956	2,315	8,410	8,276	7,767	3,077	2,977	2,734	2,228	2,771	2,574	2,592	2,553	32,301	29,377		
354	Metalworking machinery,.....	1,080	1,220	877	935	2,852	3,118	2,697	1,080	982	867	951	947	781	784	918	11,486	9,683		
356	General industrial machinery	1,096	1,316	965	1,206	3,376	3,248	3,365	1,194	1,195	977	1,096	1,221	976	894	948	13,491	11,292		

See footnotes at end of table.

Table 3.--VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENT SERIES
(Millions of dollars)

SIC	Industry	Seasonally adjusted										Without seasonal adjustment ¹									
		Monthly					Quarterly					Monthly					Last 4 months (a year ago)				
		Feb. 1980 ^p	Jan. f 1980	Dec. 1979	Nov. 1979	III 1979	II 1979	I 1979	IV 1978	III 1978	Feb. 1980 ^p	Jan. 1980 ^p	Dec. 1979	Nov. 1979	Feb. 1979	Jan. 1979	Dec. 1978	Nov. 1978			
		ALL MANUFACTURING, DURABLE AND NONDURABLE GOODS, TOTAL																			
	All manufacturing industries: Total.....	285,654	283,057	278,846	275,471	271,946	269,086	259,267	238,652	222,368	286,395	283,113	277,153	274,721	253,954	245,032	237,134	233,600			
	Total, excluding trans- portation.....	180,834	178,932	176,099	175,370	173,440	173,753	170,129	157,742	150,641	180,879	177,560	173,713	173,347	166,418	161,336	155,758	153,570			
	Durable goods industries: total.....	273,863	271,287	267,071	263,435	260,576	258,457	248,839	228,181	212,101	274,578	271,469	265,777	263,015	243,337	234,957	226,975	223,466			
	Nondurable goods industries, total.....	11,791	11,770	11,775	12,036	11,370	10,629	10,428	10,471	10,267	11,817	11,644	11,376	11,706	10,617	10,075	10,159	10,134			
MARKET CATEGORIES AND SUPPLEMENTARY SERIES																					
	Market categories:																				
	Home goods and apparel.....	4,665	4,582	4,538	4,665	4,963	5,001	4,771	4,108	4,613	4,466	4,295	4,223	4,515	4,432	4,090	3,906	4,112			
	Consumer staples.....																				
	Equipment and defense prod- ucts, except automotive.....	157,718	156,945	154,691	152,163	150,430	148,905	144,844	134,669	125,074	158,231	158,064	155,241	153,125	141,291	137,083	134,991	133,339			
	Automotive equipment.....																				
	Construction materials, sup- plies, and intermediate prod- ucts.....	20,686	20,374	20,772	20,499	21,037	21,114	20,955	20,195	19,746	20,736	20,391	20,648	20,411	20,524	20,330	20,069	19,619			
	Other materials and supplies and intermediate products....	102,585	101,156	98,845	98,144	95,516	94,066	88,697	79,680	72,935	102,692	100,363	97,041	96,670	87,707	83,529	78,168	76,530			
	Supplementary series: ²																				
	Household durable goods indus- tries.....	3,636	3,536	3,408	3,494	3,914	4,020	3,915	3,347	3,796	3,446	3,240	3,199	3,385	3,615	3,305	3,193	3,338			
	Capital goods industries.....	183,298	182,170	179,055	175,818	172,199	167,963	160,318	147,787	136,747	183,912	183,180	179,356	177,142	156,295	151,098	147,951	146,563			
	Nondefense.....	134,978	134,401	131,563	128,925	126,199	122,825	115,730	104,225	97,248	135,167	134,652	131,567	129,800	111,405	107,043	104,167	103,906			
	Defense.....	48,320	47,769	47,492	46,893	46,000	45,138	44,588	43,563	39,499	48,745	48,528	47,789	47,342	44,890	44,055	43,785	42,657			
INDUSTRY GROUPS AND INDUSTRIES																					
	Durable goods industry:																				
32	Stone, clay and glass.....	3,004	2,956	2,904	2,880	3,096	3,009	2,832	2,943	2,737	3,038	2,935	2,778	2,792	2,874	2,872	2,816	2,635			
33	Primary metals, total.....	30,896	30,420	29,607	29,981	30,024	31,902	31,463	26,738	24,844	31,451	30,199	28,737	28,534	31,320	29,126	25,980	25,036			
331	Blast furnaces, steel mills.....	18,136	17,879	17,690	18,181	18,680	20,930	20,982	17,179	16,311	18,516	17,646	17,071	17,344	20,822	19,000	16,612	16,425			
333-6, 9	Nonferrous and other primary metal products.....	9,978	9,815	9,295	9,187	8,833	8,445	8,115	7,443	6,729	10,147	9,795	9,063	8,608	8,210	7,912	7,264	6,613			
34	Fabricated metal products.....	28,431	27,963	28,257	27,828	27,818	27,970	27,652	26,094	25,144	28,346	27,954	28,193	27,836	26,853	26,605	26,034	25,565			
35	Machinery, except electrical, total.....	59,836	59,752	58,729	58,260	57,323	57,296	56,565	53,037	50,860	59,738	59,407	58,343	58,279	54,578	53,732	52,726	52,441			
351	Engines and turbines.....	16,792	16,843	16,667	16,709	16,747	16,896	16,963	16,649	16,380	16,812	16,875	16,828	16,714	16,794	16,706	16,809	16,555			
353	Construction, mining, and material handling equip- ment.....	8,911	8,742	8,449	8,199	7,977	7,993	8,078	7,957	7,624	8,830	8,716	8,356	8,125	8,220	8,117	7,869	7,723			
354	Metalworking machinery.....	7,611	7,440	7,072	6,975	6,756	6,111	5,699	5,100	4,738	7,474	7,329	7,114	7,093	5,455	5,280	5,125	5,083			
356	General industrial machinery	7,077	7,189	7,098	7,251	7,210	7,249	7,054	6,840	6,730	7,099	7,131	7,027	7,193	6,896	6,801	6,778	6,861			

See footnotes at end of table.

Table 3.--VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES--Continued

(Millions of dollars)

SIC	Industry group	Seasonally adjusted					Without seasonal adjustment ¹											
		Monthly			Quarterly		Monthly											
		Feb. 1980 ^b	Jan. 1980 ^c	Dec. 1979	Nov. 1979	III 1979	II 1979	I 1979	IV 1978	III 1978	Feb. 1980 ^b	Jan. 1980 ^c	Dec. 1979	Nov. 1979	Jan. 1979	Dec. 1978	Nov. 1978	
INDUSTRY GROUPS AND INDUSTRIES--Continued																		
36	Electrical machinery, total...	37,202	36,382	35,552	35,224	34,715	33,906	32,569	30,427	29,094	37,073	36,119	35,265	35,148	32,061	30,898	30,201	29,872
361,2	Electrical transmission and distribution equipment and apparatus.....	7,600	7,516	7,533	7,465	7,376	7,275	6,900	6,777	6,543	7,586	7,462	7,423	7,438	6,915	6,873	6,685	6,755
363	Household appliances.....	326	328	358	385	397	483	438	419	387	339	322	310	316	471	421	362	344
365	Radio and TV.....	477	350	328	372	608	535	695	525	881	446	320	339	357	665	469	542	513
366	Communication equipment.....	17,026	16,596	16,137	15,969	15,765	15,489	15,132	14,206	13,595	17,097	16,721	16,209	16,111	15,028	14,494	14,274	14,084
367	Electronic components.....	10,824	10,636	10,235	10,044	9,569	9,186	8,532	7,587	6,785	10,684	10,359	10,040	9,944	8,143	7,815	7,443	7,274
37	Transportation equipment, total.....	104,820	104,125	102,747	100,101	98,506	95,333	89,138	80,910	71,727	105,516	105,553	103,440	101,374	87,536	83,696	81,376	80,080
372,6	Aircraft, missiles, and parts.....	80,694	79,718	77,893	75,144	72,914	69,763	63,199	56,098	49,847	81,288	81,141	78,810	76,575	61,971	58,339	56,813	55,944
3731	Shipbuilding and military tank vehicles.....	10,981	11,079	11,279	11,065	11,098	10,906	10,947	11,005	9,682	11,030	11,040	11,064	11,023	10,733	10,798	10,795	11,071
3795																		
38	Instruments and related products.....	6,347	6,268	5,992	5,898	5,823	5,640	5,423	5,091	4,771	6,285	6,188	5,967	5,855	5,190	5,182	5,071	4,896
25	All other durable goods industries.....	3,327	3,421	3,283	3,263	3,271	3,401	3,197	2,939	2,925	3,131	3,114	3,054	3,197	2,925	2,846	2,771	2,941

¹Preliminary.²Revised.

³Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations: unfilled orders and inventories are of the end of the period and are not adjusted for trading-day or calendar-month variations.

⁴The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries - Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Capital goods industries - The capital goods industries series is comparable to the previous Producers' Capital Goods and the Defense Products (old series) categories.

Nondefense products - Machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV and electronic components), the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products - Based on separate reports on defense work filled by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding. The data are comparable to those published annually in the WA-175, Shipments of Defense-Related Industries, for the specified industries.

⁵Beginning in 1976, the fiscal year for the Federal Government probably affected the awarding of contracts and other financial arrangements. Although the impact of this change is not known, the use of previously established seasonal factors would have substantially distorted the current data since these seasonal factors reflect historical Government purchasing patterns. Therefore, beginning in July 1977, new composite seasonal factors were developed by combining the existing end of fiscal year information with data for the previous calendar quarter (i.e., one quarter preceding the end of the fiscal year). These composite factors were applied to the unfilled orders data for each of the separately tabulated defense industries. This adjustment also modified the new orders data. Similar adjustments could not be made for nondefense Government orders since such data are not compiled separately. This method of calculating the seasonal factors will be used until a sufficient amount of data are available to assess the impact of the change in the fiscal year on the seasonal pattern of the defense industries.

Table 4.---VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC	Industry	Seasonally adjusted										Without seasonal adjustment ¹									
		Monthly					Quarterly					Monthly									
												Last 4 months					Last 4 months (a year ago)				
		Feb. 1980 ²	Jan. 1980 ³	Dec. 1979	Nov. 1979	III 1979	II 1979	I 1979	IV 1978	III 1978	Feb. 1980 ⁴	Jan. 1980 ⁵	Dec. 1979	Nov. 1979	Feb. 1979	Jan. 1979	Dec. 1978	Nov. 1978			
ALL MANUFACTURING, DURABLE AND NONDURABLE GOODS, TOTAL																					
	All manufacturing industries	234,505	232,002	227,855	226,159	221,417	214,339	205,589	198,041	193,764	236,439	233,547	227,658	225,134	205,426	202,316	197,979	195,871			
	Total, excluding transportation, excluding trans-	203,861	201,698	197,974	196,041	192,883	186,949	179,872	173,910	170,051	205,559	203,159	198,147	194,898	179,292	177,229	174,105	171,688			
	Total for industries with unfilled orders.....	162,461	160,401	157,667	156,524	152,443	147,983	141,413	135,198	132,402	161,984	160,445	156,529	155,154	140,566	137,711	134,277	133,111			
	Durable goods industries, total.	115,158	113,799	111,376	110,332	108,927	107,700	106,278	104,226	102,108	156,356	154,097	150,321	148,857	135,093	132,053	128,405	127,146			
	Durable goods with unfilled orders.....	144,230	142,749	140,286	139,333	135,529	131,310	125,339	119,540	116,938	145,043	142,947	139,439	138,341	124,746	122,128	118,875	117,983			
	Nondurable goods industries, total.....	79,347	78,203	76,479	75,827	75,490	72,639	70,311	68,816	67,657	80,083	79,450	77,337	76,277	70,333	70,283	69,574	68,676			
	Nondurable goods with unfilled orders.....	18,731	17,652	17,381	17,191	16,914	16,673	16,074	15,658	15,464	17,941	17,498	17,090	16,813	15,820	15,583	15,402	15,238			
MARKET CATEGORIES AND SUPPLEMENTAL SERIES																					
	Home goods and apparel.....	17,868	17,821	17,530	17,326	17,501	17,398	17,573	16,966	16,862	17,696	17,496	16,960	16,634	17,233	17,008	16,427	16,157			
	Consumer staples.....	29,689	29,697	29,698	29,503	29,529	28,780	27,394	26,517	25,714	29,971	30,438	30,294	30,309	27,237	27,281	27,081	26,920			
	Equipment and defense products, except automotive.....	63,672	63,012	61,514	60,839	58,254	55,632	52,542	50,285	48,326	64,233	62,903	61,060	60,412	52,423	51,233	49,935	49,089			
	Automotive equipment.....	10,166	10,226	10,299	11,051	11,199	11,219	11,111	10,071	10,758	10,471	10,554	10,369	11,157	11,540	11,028	10,118	10,567			
	Construction materials, supplies, and intermediate products.....	19,625	19,488	19,496	19,341	18,882	18,982	17,944	16,993	16,566	19,977	19,581	19,348	18,861	18,122	17,380	16,866	16,483			
	Other materials and supplies and intermediate products,...	91,485	91,758	89,318	88,099	86,052	82,328	79,025	77,211	75,541	94,091	92,575	89,647	87,761	78,871	78,406	77,552	76,656			
	Supplementary series																				
	Household durable goods industries.....	9,275	9,253	9,169	8,938	8,881	8,828	8,831	8,692	8,657	9,246	9,088	8,880	8,670	8,761	8,680	8,427	8,376			
	Capital goods industries.....	71,016	70,217	68,527	67,777	64,990	61,710	58,139	55,370	53,120	71,360	69,906	67,927	67,429	57,609	56,307	54,921	54,273			
	Nondefense.....	61,348	60,604	59,076	58,541	56,471	53,730	50,540	48,203	46,229	61,767	60,457	58,666	58,231	50,157	49,016	47,888	47,305			
	Defense.....	9,668	9,613	9,451	9,236	8,519	7,980	7,599	7,167	6,890	9,593	9,449	9,261	9,198	7,452	7,291	7,033	6,968			
INDUSTRY GROUPS AND INDUSTRIES																					
	Durable goods industries:																				
2	Stone, clay, and glass products.....	5,764	5,654	5,577	5,599	5,445	5,372	5,144	4,826	4,741	5,909	5,723	5,541	5,385	5,226	4,994	4,794	4,606			
22	Glass containers.....	584	547	540	536	575	540	510	501	515	579	548	536	541	519	497	497	504			
3	Primary metals, total.....	20,315	20,035	19,905	19,419	19,065	18,578	17,761	17,962	17,573	20,442	20,390	20,153	19,354	18,018	18,161	18,187	17,936			
31	Blast furnaces, steel mills, nonferrous and other primary metals.....	11,281	11,028	10,908	10,672	10,457	10,260	9,823	9,828	9,379	11,247	11,337	11,257	10,747	9,939	10,128	10,142	9,901			
33-6	Fabricated metal prod., total.	7,649	7,612	7,609	7,338	7,195	6,908	6,638	6,911	6,976	7,779	7,650	7,525	7,243	6,772	6,783	6,836	6,853			
4	Metal cans, barrels, and drums.....	19,419	19,367	19,279	19,223	18,682	18,584	17,796	16,834	16,378	19,515	19,271	18,997	18,845	17,571	17,048	16,616	16,374			
41		1,486	1,565	1,578	1,546	1,362	1,380	1,293	1,211	1,204	1,516	1,494	1,360	1,317	1,326	1,294	1,045	1,077			
5	Machinery, except electrical, total.....	37,442	37,276	36,502	36,372	35,525	34,120	32,509	30,925	29,705	37,934	37,428	36,530	36,018	32,295	31,582	30,940	30,122			
51	Engines and turbines.....	2,696	2,678	2,701	2,609	2,632	2,522	2,492	2,461	2,324	2,724	2,676	2,689	2,634	2,463	2,445	2,444	2,365			
52	Farm machinery and equipment	3,088	3,111	3,102	3,002	2,889	2,850	2,694	2,583	2,369	3,264	3,182	3,096	2,846	2,809	2,641	2,578	2,327			
53	Construction, mining, and material handling equipment	8,292	8,430	8,134	8,406	8,107	7,963	7,435	7,037	6,752	8,499	8,506	8,289	8,255	7,451	7,276	7,164	6,812			
54	Metallurgical machinery.....	2,383	2,369	2,312	2,252	2,231	2,203	2,082	1,944	1,882	2,395	2,378	2,266	2,266	2,067	2,024	1,932	1,950			
56	General industrial machinery	3,650	3,642	3,661	3,569	3,527	3,319	3,298	3,191	3,073	3,675	3,653	3,606	3,523	3,277	3,269	3,143	3,119			

See footnotes at end of table.

See footnotes at end of table.

Table 4. --VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES--Continued
(Millions of dollars)

SIC	Industry	Seasonally adjusted					Without seasonal adjustment ¹											
		Monthly			Quarterly		Monthly											
		Feb. 1980 ^a	Jan. 1980 ^a	Dec. 1979	Nov. 1979	III 1979	II 1979	I 1979	IV 1978	III 1978	Last 4 months				Last 4 months (a year ago)			
											Feb. 1980 ^a	Jan. 1980 ^a	Dec. 1979	Nov. 1979	Feb. 1979	Jan. 1979	Dec. 1978	Nov. 1978
INDUSTRY GROUPS AND INDUSTRIES																		
46	Electrical machinery, total...	21,451	21,018	20,585	20,013	19,486	18,714	18,066	17,066	17,012	21,348	20,726	20,241	19,804	17,653	17,404	16,779	16,912
361,2	Electrical transmission and distribution equipment...	3,898	3,819	3,753	3,747	3,632	3,524	3,365	3,248	3,163	3,907	3,813	3,758	3,720	3,306	3,284	3,252	3,207
363	Household appliances...	2,193	2,092	2,106	1,989	1,967	1,956	2,025	1,953	2,024	2,182	2,065	2,014	1,896	1,979	1,934	1,869	1,867
365	Radio and TV...	1,043	1,030	1,042	959	963	984	1,013	1,031	1,005	976	974	1,005	954	997	1,033	995	996
366	Communication equipment...	7,497	7,418	7,122	6,896	6,595	6,129	5,833	5,431	5,401	7,524	7,301	7,021	6,903	5,712	5,636	5,136	5,467
367	Electronic components...	3,242	3,129	3,086	2,988	2,897	2,850	2,714	2,508	2,531	3,217	3,110	3,068	2,976	2,668	2,611	2,495	2,495
37	Transportation equipment, total...	30,644	30,304	29,881	30,118	28,534	27,390	25,717	24,131	23,714	30,880	30,388	29,511	30,236	26,134	25,107	23,874	24,184
371	Motor vehicles and parts...	7,793	7,846	7,972	8,639	8,811	8,857	8,761	7,767	8,500	7,957	8,097	7,980	8,812	9,054	8,649	7,775	8,343
372,6	Aircraft, missiles, and parts...	18,336	17,956	17,400	16,883	15,481	14,696	13,176	12,593	11,532	18,420	17,783	17,102	16,883	13,238	12,737	12,391	12,125
3731	Shipbuilding and military tank vehicles...	2,118	2,112	2,180	2,265	2,064	1,675	1,717	1,775	1,833	2,044	2,060	2,052	2,221	1,716	1,657	1,670	1,763
38	Instruments and related products, total...	8,116	8,026	7,713	7,595	7,456	7,336	7,036	6,468	6,292	8,118	8,021	7,580	7,500	6,790	6,629	6,352	6,344
381-4	Scientific and engineering...	5,469	5,369	5,259	5,199	5,021	4,799	4,540	4,243	4,098	5,491	5,417	5,217	5,142	4,454	4,377	4,209	4,152
386	Photographic goods...	2,157	2,175	1,971	1,914	1,926	2,031	1,982	1,752	1,711	2,142	2,136	1,885	1,878	1,850	1,774	1,675	1,709
24	All other durable goods	10,960	10,855	10,875	10,871	11,070	10,590	9,896	9,308	9,311	11,015	11,462	11,538	11,708	9,713	9,788	9,885	9,992
25	Industries...	3,496	3,557	3,323	3,605	3,746	3,716	3,586	3,619	3,449	3,762	3,771	3,727	3,652	3,796	3,870	3,829	3,674
20	Nondurable goods industries: total...	20,171	20,206	20,326	19,982	19,856	19,106	18,119	17,262	16,784	20,379	21,011	21,024	21,096	18,036	18,010	17,858	17,961
201	Food and kindred products...	1,878	1,982	1,990	1,872	1,753	1,716	1,650	1,673	1,568	1,902	1,959	1,869	1,896	1,655	1,648	1,574	1,625
208	Beverages...	3,714	3,729	3,869	3,756	3,679	3,614	3,478	3,453	3,236	3,811	3,796	3,830	3,745	3,505	3,542	3,418	3,361
207	Fats and oils...	1,908	1,929	1,840	1,881	1,704	1,688	1,598	1,437	1,384	2,034	2,134	2,141	2,100	1,760	1,632	1,635	1,561
203-6,9	All other foods...	10,960	10,855	10,875	10,871	11,070	10,590	9,896	9,308	9,311	11,015	11,462	11,538	11,708	9,713	9,788	9,885	9,992
21	Tobacco products...	3,496	3,557	3,323	3,605	3,746	3,716	3,586	3,619	3,449	3,762	3,771	3,727	3,652	3,796	3,870	3,829	3,674
22	Textile mill products...	5,935	5,948	5,848	5,795	5,686	5,645	5,718	5,666	5,606	6,028	5,936	5,694	5,611	5,814	5,715	5,520	5,474
26	Paper and allied products, total...	7,112	6,842	6,779	6,615	6,422	6,344	6,045	5,875	5,839	7,079	6,859	6,722	6,566	5,875	5,880	5,826	5,733
261-3	Pulp, paper, etc...	2,423	2,355	2,321	2,258	2,137	2,090	2,053	2,006	2,005	2,422	2,352	2,313	2,236	1,987	1,972	1,999	1,984
265	Paperboard containers...	1,933	1,918	1,899	1,847	1,843	1,785	1,752	1,710	1,710	1,913	1,899	1,863	1,830	1,710	1,729	1,679	1,649
264	All other paper containers...	2,756	2,569	2,559	2,510	2,442	2,469	2,240	2,159	2,123	2,744	2,608	2,546	2,500	2,178	2,179	2,148	2,041
28	Chemicals and allied products, total...	18,423	17,864	16,978	16,847	16,582	15,901	15,548	15,429	15,235	18,847	18,227	17,280	16,822	15,870	15,809	15,719	15,231
281,6	Industrial chemicals, except pigments...	5,933	5,661	5,277	5,070	5,021	4,677	4,482	4,591	4,590	6,040	5,780	5,398	5,100	4,588	4,654	4,701	4,568
283,4	Drugs, soap, and toiletries...	5,457	5,382	5,317	5,339	5,247	5,196	4,992	4,858	4,731	5,419	5,361	5,312	5,307	4,934	4,875	4,858	4,761
29	Petroleum and coal products...	7,283	7,025	6,660	6,527	6,354	5,347	5,063	5,423	5,408	7,174	7,056	6,816	6,686	5,064	5,403	5,551	5,753
30	Rubber and plastics products, n.e.c...	4,892	4,862	4,750	4,797	4,962	4,870	4,707	4,602	4,563	5,020	4,970	4,804	4,698	4,755	4,731	4,653	4,424
23	All other nondurable goods	12,035	11,899	11,615	11,659	11,882	11,710	11,525	10,939	10,773	11,794	11,620	11,270	11,146	11,123	10,865	10,618	10,419

^a Preliminary.

¹ Revised.

Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries - Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.
Capital goods industries - The capital goods industries series is comparable to the previous Producers' Capital Goods and the Defense Products (old series) categories.
Nondefense products-- Machinery, except electrical (excluding farm machinery and machine shops), electrical machinery (excluding household appliances, radio and TV and electronic components), and the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.
Defense products-- Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding. The data are comparable to those published annually in the MA-175, Shipments of Defense Oriented Industries, for the specified industries.

Table 5.--VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

Industry	Seasonally adjusted										Without seasonal adjustment									
	Monthly										Quarterly									
	Feb. 1980 ^p	Jan. 1980 ^p	Dec. 1979	Nov. 1979	111 1979	1 1979	IV 1978	III 1978	Feb. 1980 ^p	Jan. 1980 ^p	Dec. 1979	Nov. 1979	Feb. 1979	Jan. 1979	Dec. 1978	Nov. 1978				
TOTAL																				
All manufacturing industries, total...	234,505	232,002	227,855	226,159	221,417	214,339	198,041	192,764	236,419	233,547	227,658	225,134	205,426	202,336	197,979	195,871				
Durable goods industries, total...	155,158	153,799	151,376	150,332	145,927	141,700	129,226	126,108	156,356	154,099	150,321	148,857	135,093	132,053	128,405	127,196				
Stone, clay, and glass products...	5,764	5,634	5,577	5,599	5,445	5,372	4,826	4,741	5,909	5,723	5,561	5,385	5,226	4,994	4,794	4,606				
Primary metals...	20,315	20,035	19,905	19,419	18,662	18,578	17,962	17,962	20,462	20,390	20,153	19,354	18,018	18,161	18,187	17,936				
Fabricated metals...	19,419	19,376	19,223	19,223	19,062	18,584	17,794	17,794	19,419	19,376	19,223	18,997	18,845	17,571	17,048	16,616				
Nonferrous metal machinery...	37,442	37,276	36,502	36,372	35,525	34,120	32,509	32,509	37,442	37,276	36,502	36,018	32,293	31,582	30,940	30,122				
Electrical machinery...	21,451	21,018	20,585	20,013	19,486	18,714	18,066	17,066	21,451	21,018	20,585	20,241	19,804	17,404	16,779	16,912				
Transportation equipment...	30,664	30,304	29,881	28,534	27,330	25,717	24,131	23,714	30,880	30,388	29,511	30,236	26,134	25,107	23,874	24,184				
Instruments and related products...	8,116	8,026	7,713	7,595	7,436	7,336	6,468	6,292	8,116	8,021	7,580	7,400	6,790	6,629	6,352	6,331				
Transportation and related products...	17,007	12,119	11,934	11,993	11,734	11,606	11,249	11,014	17,210	12,150	11,768	11,715	11,406	11,128	10,863	10,732				
All other durable goods industries...	78,203	76,479	75,827	75,490	72,639	70,311	68,816	67,657	80,083	79,450	77,337	76,277	70,333	70,283	69,574	68,676				
Non-durable goods industries, total...	18,423	17,864	16,978	16,847	16,582	15,901	15,429	15,429	18,867	17,724	17,280	16,822	15,870	15,809	15,719	15,233				
Chemicals and allied products...	7,883	7,025	6,600	6,527	6,334	5,367	5,423	5,408	7,174	7,056	6,816	6,686	5,064	4,403	4,351	4,753				
Petroleum and coal products...	4,892	4,862	4,750	4,797	4,962	4,870	4,602	4,602	5,020	4,917	4,804	4,698	4,755	4,731	4,653	4,624				
Rubber and plastics products, n.e.c...	48,749	48,452	48,091	47,656	47,592	46,521	43,361	42,451	49,042	49,197	48,437	48,071	46,664	46,360	45,651	43,266				
All other nondurable goods industries...	48,749	48,452	48,091	47,656	47,592	46,521	43,361	42,451	49,042	49,197	48,437	48,071	46,664	46,360	45,651	43,266				
MATERIALS AND SUPPLIES																				
All manufacturing industries, total...	81,367	80,312	78,915	78,430	75,751	73,285	68,078	67,152	81,530	81,023	79,638	78,432	70,082	69,778	68,737	67,673				
Durable goods industries, total...	50,120	49,431	48,818	48,406	46,382	44,885	41,468	41,093	49,982	49,712	48,321	47,169	42,498	42,293	41,619	41,231				
Stone, clay, and glass products...	2,745	2,246	2,217	2,192	2,040	2,035	1,842	1,815	2,265	2,266	2,239	2,169	1,907	1,906	1,862	1,819				
Primary metals...	7,888	7,744	7,463	7,294	6,959	6,751	6,602	6,573	7,817	7,909	7,762	7,464	6,442	6,621	6,819	6,707				
Fabricated metals...	6,850	6,733	6,778	6,758	6,589	6,329	6,030	5,887	6,811	6,790	6,736	6,579	5,956	5,956	5,999	5,811				
Nonferrous metal machinery...	10,969	10,771	10,725	10,653	9,929	9,531	9,081	8,680	11,024	10,788	10,476	10,476	8,893	8,813	8,709	8,456				
Electrical machinery...	6,201	6,010	5,925	5,753	5,668	5,483	5,227	4,945	6,155	5,960	5,680	5,680	5,006	5,076	4,927	4,860				
Transportation equipment...	8,701	8,089	8,304	8,341	7,977	7,657	7,219	6,967	8,160	8,132	8,164	8,563	7,685	7,445	6,850	7,134				
Instruments and related products...	2,686	2,680	2,388	2,372	2,274	2,226	1,883	1,812	2,632	2,608	2,399	2,363	2,009	1,965	1,891	1,878				
Transportation and related products...	5,078	5,158	5,018	5,043	4,966	4,673	4,512	4,487	5,118	5,209	5,029	4,907	4,512	4,511	4,562	4,566				
All other durable goods industries...	31,247	30,881	30,097	30,064	29,369	28,400	27,712	26,610	31,311	31,309	30,675	30,111	27,584	27,485	27,138	26,442				
Non-durable goods industries, total...	6,517	6,301	6,098	6,131	5,873	5,904	5,456	5,427	6,561	6,375	6,088	6,129	5,636	5,692	5,544	5,516				
Chemicals and allied products...	1,795	1,680	1,692	1,813	1,774	1,504	1,336	1,444	1,819	1,701	1,700	1,845	1,310	1,306	1,338	1,368				
Petroleum and coal products...	1,842	1,859	1,717	1,723	1,710	1,683	1,519	1,475	1,788	1,852	1,758	1,700	1,526	1,559	1,558	1,488				
Rubber and plastics products, n.e.c...	21,091	21,041	20,690	20,357	20,012	19,273	18,868	18,299	21,380	21,383	21,129	20,437	19,112	18,928	18,698	18,070				
All other nondurable goods industries...	21,091	21,041	20,690	20,357	20,012	19,273	18,868	18,299	21,380	21,383	21,129	20,437	19,112	18,928	18,698	18,070				
WORK IN PROCESS																				
All manufacturing industries, total...	80,401	79,924	78,525	77,967	75,718	72,796	68,638	66,166	81,660	79,843	77,669	77,320	68,658	67,097	65,305	63,241				
Durable goods industries, total...	68,456	67,879	66,759	66,096	63,828	61,461	57,656	55,449	68,856	67,808	65,997	65,591	57,696	56,266	54,870	54,502				
Stone, clay, and glass products...	794	796	821	849	826	842	771	697	801	801	771	784	784	708	655	638				
Primary metals...	6,886	6,840	7,072	6,916	6,965	6,669	6,244	6,368	6,127	6,913	6,897	7,012	6,788	6,403	6,320	6,198				
Fabricated metals...	8,087	8,089	7,983	7,896	7,696	7,696	7,124	6,646	6,512	6,985	7,939	7,790	7,100	6,824	6,498	6,316				
Non-ferrous metal machinery...	17,195	17,275	16,923	16,785	16,393	15,620	14,985	14,271	17,418	17,403	16,908	16,792	14,858	14,626	14,007	13,926				
Electrical machinery...	10,399	10,143	10,057	9,804	9,436	8,908	8,491	7,872	10,372	10,098	9,862	9,768	8,300	8,016	7,723	7,451				
Transportation equipment...	18,767	18,610	17,876	17,876	16,653	16,462	14,129	13,463	18,934	18,524	17,693	17,740	14,665	14,199	14,004	13,926				
Instruments and related products...	3,366	3,506	3,427	3,306	3,326	3,216	3,128	3,012	3,617	3,530	3,333	3,333	3,036	3,003	2,943	2,946				
Transportation and related products...	2,647	2,600	2,600	2,538	2,555	2,681	2,551	2,434	2,686	2,611	2,462	2,196	2,573	2,487	2,463	2,462				
All other durable goods industries...	12,245	12,045	11,766	11,871	11,890	11,335	10,982	10,717	12,204	12,035	11,672	11,929	10,962	10,831	10,635	10,739				
Non-durable goods industries, total...	2,768	2,657	2,437	2,575	2,681	2,474	2,465	2,402	2,765	2,646	2,587	2,534	2,485	2,485	2,433	2,433				
Chemicals and allied products...	2,185	2,165	2,043	2,037	1,856	1,645	1,467	1,370	2,127	2,090	2,029	2,036	1,452	1,459	1,356	1,343				
Petroleum and coal products...	834	863	834	854	853	863	795	765	866	891	853	866	806	827	814	789				
Rubber and plastics products, n.e.c...	6,458	6,380	6,452	6,405	6,500	6,353	6,067	6,017	6,446	6,408	6,338	6,420	6,170	6,060	5,980	6,084				
All other nondurable goods industries...	6,458	6,380	6,452	6,405	6,500	6,353	6,067	6,017	6,446	6,408	6,338	6,420	6,170	6,060	5,980	6,084				

Table 6.--MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS MONTH-TO-MONTH AND LONG TERM PERCENT CHANGES

(Based on seasonally adjusted data)

Item and industry group	Month-to-month			Average monthly rates of change				Average, 1975-1979	
	Jan.- Feb. 1980	Dec.- 1979 Jan.- 1980	Nov.- Dec. 1979	3 months			12 months	Average rise	Average decline
				Nov. 1979- Feb. 1980	Aug.- Nov. 1979	May Aug. 1979	Feb. 1979 Feb. 1980		
Shipments:									
All manufacturing industries.....	+0.5	+3.8	+1.6	+2.0	+0.4	+0.1	+1.0	+1.7	-1.3
Durable goods industries, total.....	+2.0	+5.0	+0.6	+2.5	-0.3	-0.6	+0.7	+2.0	-2.0
Nondurable goods industries, total.....	-1.2	+2.5	+2.5	+1.3	+1.1	+0.8	+1.4	+1.6	-0.7
Total inventories:									
All manufacturing industries.....	+1.1	+1.8	+0.8	+1.2	+1.0	+1.2	+1.2	+0.7	-0.3
New orders:									
All manufacturing industries.....	-0.6	+4.3	+2.2	+2.0	+0.9	-0.2	+0.7	+2.0	-1.5
Durable goods industries, total.....	-0.1	+5.5	+3.1	+2.8	+0.7	+1.3	+0.1	+3.3	-1.9
Nondurable goods industries, total.....	-1.1	+2.9	+1.2	+1.0	+1.2	+1.0	+1.3	+1.6	-0.7
Unfilled orders:									
Durable goods industries, total.....	+0.9	+1.6	+1.4	+1.3	+0.8	+0.2	+1.0	+1.3	-0.8

Table 7.--RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

Industry group	Inventories--shipments ratio				Unfilled orders--shipments ratio ¹ (months' backlog)			
	Feb.- 1980	Jan.- 1980	Dec.- 1979	Nov.- 1979	Feb.- 1980	Jan.- 1980	Dec.- 1979	Nov.- 1979
All manufacturing industries, total.....	1.54	1.53	1.56	1.57	3.53	3.54	3.67	3.66
Durable goods industries, total.....	1.95	1.98	2.04	2.04	4.17	4.21	4.34	4.34
Stone, clay, and glass products.....	1.36	1.27	1.35	1.34	0.78	0.72	0.77	0.75
Primary metals.....	1.57	1.54	1.69	1.64	2.39	2.34	2.51	2.54
Fabricated metals.....	1.97	2.04	2.09	2.08	3.15	3.24	3.36	3.33
Machinery, except electrical.....	2.62	2.66	2.67	2.78	4.57	4.63	4.71	4.83
Electrical machinery.....	2.06	2.08	2.11	2.11	3.57	3.60	3.65	3.71
Transportation equipment.....	1.93	1.96	2.03	2.02	12.40	12.40	12.59	12.48
Instruments and related products.....	2.23	2.40	2.38	2.37	1.74	1.87	1.85	1.84
Nondurable goods industries, total.....	1.08	1.06	1.06	1.08	0.78	0.75	0.82	0.82
Food and kindred products.....	1.00	1.01	0.98	0.99	(X)	(X)	(X)	(X)
Tobacco products.....	3.10	3.35	3.43	3.42	(X)	(X)	(X)	(X)
Textile mill products.....	1.38	1.42	1.49	1.46	(NA)	(NA)	(NA)	(NA)
Paper and allied products.....	1.23	1.14	1.23	1.18	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products.....	1.36	1.27	1.24	1.28	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.52	0.50	0.50	0.51	(X)	(X)	(X)	(X)
Rubber and plastics products, n.e.c.....	1.31	1.20	1.32	1.33	(X)	(X)	(X)	(X)

(NA) Not available. ^P Preliminary. ^R Revised. (X) Not applicable.

¹Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm machinery and equipment; motor vehicle assembly operation; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

The following is a description of the survey and definitions used. These are provided to clarify the meaning of the items involved and do not represent any revisions from those definitions previously employed.

DESCRIPTION OF SURVEY

The Manufacturers' Shipments, Inventories, and Orders Survey (M3-1) provides monthly figures that are comparable to the annual totals published each year in the Annual Survey of Manufactures (ASM). The ASM is a probability sample of approximately 70,000 manufacturing establishments drawn from the most recent 5-year census universe of about 312,000 establishments. In the ASM, each manufacturing establishment provides data on employment, payrolls, shipments, cost of materials, capital expenditures, and inventories as well as other selected items. Until 1976, the ASM did not compile information on unfilled orders or new orders. Since the ASM is establishment based, it provides data for each of the 425 manufacturing industries in the Standard Industrial Classification (SIC) system and area data for industry groups.

The estimates presented in the M3 report are based on a sample panel of approximately 5,000 reporting units, consisting of virtually all manufacturing companies with 1,000 or more employees and additional medium-sized companies that strengthen the sample coverage in individual industry cells. The reporting unit for many medium- or single-line companies comprises all operations of the company. Many of the larger diversified companies file separate divisional reports for their operations in different industries, although this divisional reporting is not followed by all large companies.

Each reporting unit in the monthly panel is classified into one of 79 industry classifications for tabulation. Many of the reporting units included mixed industry activity even within the broad industry categories of the monthly survey. However, the survey estimating procedure assumes that the month-to-month changes of the reporting units classified in each industry category effectively represent the month-to-month movements of the establishments in the SIC industries which make up the category. This ratio estimating procedure is used for all items compiled in the survey except for new orders which is discussed separately below.

The M3 series is periodically benchmarked to the ASM for shipments and inventories. The most recent benchmark was for 1974 through 1976 and issued in the report M3-1.7 released in March 1978. In the absence of benchmark data for unfilled orders, levels were set in August 1962 based upon the ratio of unfilled orders to sales for companies reporting in the M3. These levels were reset as of December 1973 in the M3-1.6 benchmark publication released in December 1976.

The M3 data are subject to some limitations primarily resulting from the relatively small sample used to develop the estimates and the use of divisional and company reports to extrapolate establishment based data. Precise measurement of these limitations based on estimates of the sampling errors is not available. In addition to the general limitations of M3 survey data, the estimated levels of unfilled orders are subject to further limitations due to the assumptions made in developing these levels, the definition of unfilled orders, and response

difficulties. These limitations are discussed in greater detail on pages i-iv in the introductory chapter of the latest benchmark publication mentioned above. Generally, the limitations to the unfilled orders data primarily apply to the absolute level of unfilled orders and, to a much lesser extent, to the month-to-month change in unfilled orders. Since this month-to-month change in unfilled orders is used to develop the monthly estimates of new orders, the estimates of new orders are subject to fewer limitations than the unfilled orders estimates.

EXPLANATION OF TERMS

Value of Shipments—Shipments in the monthly survey are equivalent to value of shipments as reported in the ASM which are received or receivable net selling values, f.o.b. plant, after discounts and allowances and excluding freight charges and excise taxes. Included in shipments are the value of all products sold, transferred to other plants of the same company, or shipped on consignment.

Shipments also include receipts of establishments in the industry for contract work performed for other, resales, receipts for miscellaneous activities such as the sale of scrap and refuse; value of installation and repair work performed by employees of the plant; and value of research and development performed at the plant. In the ship building industry the value of work done in a given year varies considerably from the value of shipments because of the long lead time between the input of the materials and labor and the shipments of the completed ship. In the annual survey, therefore, the value of work done during the year is requested rather than the value of shipments. Value of work done is also reported by aircraft and missile producers working on cost-plus contracts.

The value of shipments figures developed from the ASM contain duplication at the all manufacturing and industry group levels since the products of some industries are used as materials by other industries within the industry group. With the exception of motor vehicles, it is not significant at the 4-digit SIC group level. Since the M3-1 industry categories typically are groupings of industries, this duplication is significant for all the manufacturing, durable goods and nondurable goods categories and the various market groups. The significance of the duplication within the specific M3-1 industry groups varies depending on the 4-digit industry composition of these groups. It is most pronounced in a few highly integrated industry areas such as primary metals and motor vehicles and parts.

Since most monthly reports are for the entire company or major divisions rather than establishments, the companies are requested to report net sales, i.e., total company billings after discounts and allowances. Companies which file divisional reports are requested to treat transfers from the division of the company to another as if they were net sales to outside customers. Although this definition of shipments in the monthly reports differs from that used in the annual establishment reports, it is assumed that the month-to-month changes in company sales in the industry are representative of the month-to-month shipments of the establishments in the industry.

Inventories—End-of-month inventories in the monthly survey are identical in definition to the end-of-year inventories in the ASM. In the ASM, respondents are asked to report inventories of individual establishments at approximate current cost if feasible; otherwise, "at book values." Since different methods of inventory valuation are used (LIFO, FIFO, etc.), the definition of the aggregate inventories for establishments in an industry is not precise. The figures on the change in inventories from one period to the next are of greater significance than the actual aggregates.

Inventories are reported by stage of fabrication: (a) finished goods; (b) work in process; and (c) materials, supplies, fuel, and other inventories. In using inventories by stage of fabrication at the all manufacturing and 2-digit industry levels as well as for the durable and nondurable goods sectors, it should be noted that a finished product of one industry may be a raw material for another industry at the next stage of fabrication. Insofar as the durable and nondurable goods sectors and also the 2-digit industry groups contain industries with successive stages of processing, the same type of commodity may be included under different inventory categories in the aggregate statistics.

New Orders and Unfilled Orders—The unfilled orders shown in this publication represent the net sales value of goods on order which have not been shipped. They are net of cancellations and include all adjustments resulting from contract

change documents. Only those orders supported by binding legal documents such as signed contracts or letter contracts are included. Some large defense contracts are authorized and funded in several stages. Only the funded portion of such contracts are included in these figures.

New orders are not calculated according to the standard ratio estimate procedure, even though they are collected as a separate item. The reason for this is that not all companies report new orders, and some that do limit their reporting to specific products for which long lead times are required in the production cycle. These companies, in effect, exclude new orders received for products that are shipped from inventory. To take advantage of the higher response rate for shipments data and to include orders filled from inventory, new orders are computed by adding the change in the backlog of unfilled orders to the current month's shipments. Thus, the estimate of new orders includes orders that are received and filled in the same month as well as orders that have not yet been filled. The estimate also includes the effects of cancellations and modifications of previously existing contracts.

Seasonally adjusted new orders are similarly derived from the monthly change in the seasonally adjusted backlog of unfilled orders and seasonally adjusted shipments. Many nondurable goods industries and some durable goods industries have no backlog of unfilled orders. Shipments are used as the estimate of new orders in these industries.

current housing reports

Data on housing vacancies
and housing characteristics

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